	Application No.	Applicant(s)
Notice of Allowability	08/950,542 Examiner	BACHOVCHIN ET AL. Art Unit
	David Lukton	1653
The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MERI herewith (or previously mailed), a Notice of Allowance (PTO NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE of the Office or upon petition by the applicant. See 37 CFR 1. This communication is responsive to 9/8/03. The allowed claim(s) is/are 48-55.	ITS IS (OR REMAINS) CLOSED in DL-85) or other appropriate commitment RIGHTS. This application is at 1.313 and MPEP 1308.	n this application. If not included unication will be mailed in due course. THIS
 3. The drawings filed or 12 15 are accepted by the Ext. 4. Acknowledgment is made of a claim for foreign prior a) All b) Some* c) None of the: 1. Certified copies of the priority document 2. Certified copies of the priority document 	ity under 35 U.S.C. § 119(a)-(d) o s have been received. s have been received in Application	on No
3. Copies of the certified copies of the prior International Bureau (PCT Rule 17.2) * Certified copies not received: 5. Acknowledgment is made of a claim for domestic prior (a) The translation of the foreign language provision Acknowledgment is made of a claim for domestic prior (b).	(a)). ority under 35 U.S.C. § 119(e) (to ional application has been receive	a provisional application). d.
Applicant has THREE MONTHS FROM THE "MAILING DA below. Failure to timely comply will result in ABANDONME 7. A SUBSTITUTE OATH OR DECLARATION must be INFORMAL PATENT APPLICATION (PTO-152) which give	NT of this application. THIS THR esubmitted. Note the attached EX.	AMINER'S AMENDMENT OF NOTICE OF
 CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Dra to Paper No. including changes required by the proposed dra including changes required by the attached Exa Identifying indicia such as the application number (see 37 each sheet. 	wing correction filed, which	ch has been approved by the Examiner. r in the Office action of Paper No
 DEPOSIT OF and/or INFORMATION about the attached Examiner's comment regarding REQUIREMENT F 		
Attachment(s)		
 1 ☐ Notice of References Cited (PTO-892) 3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-95 ☐ Information Disclosure Statements (PTO-1449), Paper 7 ☐ Examiner's Comment Regarding Requirement for Depotential Material 	48) 4⊠ Interview No 6⊠ Examine	f Informal Patent Application (PTO-152) v Summary (PTO-413), Paper No. <u>1101</u> . er's Amendment/Comment er's Statement of Reasons for Allowance
CHRISTOPHER S. F. LOW SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1808		

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

- On page 1 of the specification, delete the text on lines 4-5 that pertain to the continuity status of the application and substitute therefor the following:
 - -- This is a continuation of application Serial No. 08/459,654, filed June 2, 1995, now abandoned, which is a divisional of application Serial No. 08/093,302, filed July 15, 1993, now U.S. Patent 5,462,928, which is a continuation of application Serial No. 07/781,552, filed October 22, 1991, now abandoned. --
- In claim 48, line 1, delete "claim 43",

 and substitute therefor -- claim 54 --.
- Cancel claims 35, 36, 39-43, 46, 47.
- Add the following claims:
- 51. A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer therof:

$$A'$$
 N
 H

wherein each X^1 and X^2 is a hydroxyl group;

wherein at least 96% of the carbon atoms bearing boron are of the L-configuration;

wherein A' comprises an amino acid; and wherein the compound inhibits DP-IV activity.

52. A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer therof:

$$A' - N - H$$

wherein each X^1 and X^2 is, independently, a hydroxyl group or a group that is hydrolyzed to a hydroxyl group at physiological pH;

wherein at least 99% of the carbon atoms bearing boron are of the L-configuration;

wherein A' comprises an amino acid; and wherein the compound inhibits DP-IV activity.

53. A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer therof:

$$A' - N - H$$

wherein each X^1 and X^2 is, independently, a hydroxyl group or a group that is hydrolyzed to a hydroxyl group at physiological pH; wherein at least 96% of the carbon atoms bearing boron are of the L-

configuration;

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wherein Λ ' is valine; and

wherein the compound inhibits DP-IV activity.

54. A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer therof:

$$X - N \xrightarrow{B} X^2$$

wherein each X^1 and X^2 is a hydroxyl group;

wherein at least 96% of the carbon atoms bearing boron are of the L-configuration;

wherein X comprises an amino acid or a peptide; and wherein the compound inhibits DP-IV activity.

55. A mixture of stereoisomers consisting of a compound of the following structure and at least one stereoisomer therof:

$$X - N \xrightarrow{B} X^2$$

wherein each X^1 and X^2 is, independently, a hydroxyl group or a group that is hydrolyzed to a hydroxyl group at physiological pH;

wherein at least 99% of the carbon atoms bearing boron are of the L-configuration;

wherein X comprises an amino acid or a peptide; and wherein the compound inhibits DP-IV activity.

Authorization for this Examiner's Amendment was given in a telephone conversation with C. Hunter Baker on 10/31/03.

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The following is an Examiner's Statement of Reasons for Allowance:

The foregoing Examiner's Amendment overcomes the previously imposed §103 rejection. Each of the claims now excludes the compound disclosed in Bachovchin (*J. Biol. Chem.* **265**, 3738, 1990), or else requires a higher level of purity than was disclosed in Bachovchin. In addition, the arguments in the brief (filed 9/8/03) regarding the §112, first paragraph rejections are found persuasive.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Lukton whose telephone number is 703-308-3213. The examiner can normally be reached Monday-Friday from 9:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low, can be reached at (703) 308-2923. The fax number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0196.

Och Laklan 11/3/03

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